

Claims

1. Patch panel for mounting on a wall or in a subrack, with a housing part (2) which can be mounted with angle brackets (7) on its end faces (22, 23) and features a front panel

5 (3) which is embodied as a jumpering panel (6) for routing of data which is waiting on lines of an incoming cable (5) to lines which can be connected by connection devices (26) on the front panel,

characterized in that

10 on each end face (22,23) an angle bracket (7) is provided which features a fork-type spring detent (9) which can be inserted into guide slots (8), which are embodied for push-on insertion at the front and the rear of the fork-type spring detent on the end faces on adjacent sidewalls (24, 15 25) of the housing part and which can be snapped in by the corresponding detent means (10).

2. Patch panel according to claim 1, characterized in that the corresponding detent means (10) is formed by latching hooks (12) which are formed on arms (11) of the fork-type spring 20 detent (9) and on the slot base of each guide slot (8)

3. Patch panel in accordance with claim 2, characterized in that the guide slots (8) on the sidewalls (24 ;25) are embodied to run around the outside of the housing between the front panel (3) and a rear wall (13) of the housing 25 section (2).

4. Patch panel in accordance with claim 2 or 3, characterized in that each latching hook (12) is embodied in the shape of a wedge.

5. Patch panel in accordance with claim 3, characterized in 30 that in each guide slot (8) a front pair of latching hooks (16) is embodied at a spacing from the front (27) and a

rear pair of latching hooks is embodied (17) at a spacing from the rear (28).

6. Patch panel in accordance with claim 5, characterized in that the latching hooks (12) of the fork-type spring detent (9) are formed on the insides of the arms (11) and engage in a front final assembly position into the front pair of latching hooks (16) and in a final rear assembly position into the rear pair of latching hooks (19) of the guide slot (8).
- 10 7. Patch panel in accordance with claim 5 or 6, characterized in that the front spacing (27) and the rear spacing are selected (28) to be the same size.
- 15 8. Patch panel in accordance with one of the claims 2 to 7, characterized in that the latching hooks (12) of the fork-type spring detent (9) and/or the latching hooks (12) of the guide slots (8) are provided with a starting bevel (15) so that when the fork-type spring detent is inserted, the two arms (11) are deflected sideways and in the latched position exert pressure on the sidewalls (24, 25).
- 20 9. Patch panel in accordance with one of the previous claims, characterized in that the housing part (2) consists of a front housing shell (18) and a rear housing shell (19).
- 25 10. Patch panel in accordance with claim 9, characterized in that the two housing shells (18, 19) are connected by a snap-in connection (4).
11. Patch panel in accordance with claim 9 or 10, characterized in that the guide slots (8) are arranged in a recessed lug of the outside contour of the housing part (29) of the end faces (22, 23) of the housing shells (18, 19).
- 30 12. Patch panel in accordance with one of the claims 9 to 11,

characterized in that on the front housing shell (18) at at least one end, a wall section (29) is formed which in the assembled state projects into the rear housing shell (19).

13. Patch panel in accordance with claim 12, characterized in that the wall section (29) features cutouts (30) which in the assembled state along with the rear housing shell (19) each form a clamping device for incoming cables (5).

5 14. Patch panel in accordance with one of the previous claims, characterized in that the guide slots (8) run at right 10 angles to the plane of the front panel (3) and feature a rectangular cross section.

15 15. Patch panel in accordance with one of the previous claims, characterized in that the width of the front panel and the width of the angle bracket are selected to be the same size, preferably equivalent to one height unit.

16. Patch panel in accordance with one of the previous claims, characterized in that the connection devices (26) of the patch panel (6) are embodied for connecting electrical and/or optical lines.

20 17. Patch panel in accordance with one of the previous claims, characterized in that the fork-type spring detent (9) and the housing part (2) are manufactured from a polymer material using injection molding.